

July

**TABLE 701-18
GRADE S SPECIFICATIONS**

¾-inch (19 mm), ½-inch (12.5 mm) and ⅜-inch (9.5 mm) Nominal Maximum Aggregate Size							
Property	Job Mix Target Limits			Job Mix Tolerance	Start-Up Job Mix Range ³		
	¾-inch (19 mm)	½-inch (12.5 mm)	⅜-inch (9.5 mm)		¾-inch (19 mm)	½-inch (12.5 mm)	⅜-inch (9.5 mm)
VMA	13.0 to 17.0	14.5 to 18.0	15.5 to 18.4	± 0.6	12.4 to 17.6	13.9 to 18.6	14.9 to 19.0
VFA	65 to 80			± 5.0	60 to 85		
VTM @ N _{des} ¹	3.4 to 4.0			± 1	2.4 to 5.0		
D/A ²	0.6 to 1.4			±0.2	0.6 to 1.4		
Commercial Plant Mix Requirements							
VMA	12.4 to 17.6	13.9 to 18.6	14.9 to 19.0	N/A	N/A		
VFA	60 to 85			N/A	N/A		
VTM ¹	2.4 to 5.0			N/A	N/A		
D/A	0.6 to 1.4			N/A	N/A		

Notes:

1. Choose the design and production air voids target to be the lowest value, within the range in Table 701-16 inclusive of 3.4 and 4.0, such that all other criteria are met.
2. Percentages or quantities of hydrated lime will not be subtracted from the aggregate gradation.
3. Start-up job mix range only applies to production before initial target set. Tolerances do not apply to start up job mix range.

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